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MONTANA OIL AND GAS STATISTICAL BULLETIN

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OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XII, No. 5 McKEE PRINT MAY, 1964

Production of crude oil and condensate from the oil and gas areas of Montana for the month of May, 1964, averaged 82,642 barrels daily, a decrease of 1,979 barrels from the average April production of 84,621.

The nine refineries in state processed 87,246 barrels of crude oil daily for the month of May, 1964, an increase of 6,357 barrels from the 80,889 barrels processed daily during the month of April, 1964.

During May, 23 wells were completed, 9 oil, 1 gas well and 13 dry holes.

During May, the commission issued 34 permits to drill new wells, a decrease of 3 from 37 permits issued during April.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA

MONTH OF MAY, 1964

IN STORAGE MAY 1st:	
By Producers	353,506
By Transporters	1,078,002
By Refiners	875,597
TOTAL STORAGE	2,307,105
Produced in Montana During Month	2,561,909
Imported During Month	1,670,100
TOTALS	6,539,114
DISPOSITION:	
Refined in Montana	2,704,630
Exported	1,630,847
Used for Fuel or Lost	1,901
TOTAL	4,337,378
IN STORAGE MAY 30th:	
By Producers	371,082
By Transporters	1,087,603
By Refiners	743,051
TOTAL STORAGE	2,201,736

NATURAL GAS WITHDRAWALS IN MONTANA

Month of May, 1964

Field	M Cu. Ft.
Bears Den	0
Big Coulee	63,369
Bowdoin	85,104
Bowes	80,572
Cabin Creek	99,640
Cedar Creek	181,307
Cut Bank (including Reagan)	411,345
Devon	0
Dry Creek	74,345
Elk Basin	27,705
Flat Coulee	2,901
Gold Butte	0
Golden Dome	10,974
Grandview	0
Hardin	4,515
Keith Block	193,151
Kevin Sunburst	32,533
Middle Butte	12,612
Mount Lili	27,128
Pine	58,901
Plevna	16,631
Utopia	51,766
Whitlash	138,671
Miscellaneous	29,865
TOTAL	1,603,035

Total Withdrawals for May, 1963 were 1,559,484 M Cu. Ft.

PRODUCERS REPORT—MONTH OF MAY, 1964

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By Pipeline	Oil Shipped By Truck	Used or Lost	Storage End of Month
1	Ash Creek	4	389	2,074	.....	1,574	.....	889
4	Bannatyne	8	959	980	.....	884	.....	1,055
1	Bascom	1	199	253	187	.....	.....	265
6	Bear's Den	7	1,619	975	.....	1,114	.....	1,480
1	Belfry	1	231	343	.....	348	.....	226
1	Benrud	1	466	1,241	1,141	.....	.....	566
1	Benrud East	1	669	15,147	14,849	.....	.....	967
8	Big Wall	29	2,583	21,144	21,080	455	.....	2,192
7	Blackfoot	12	2,085	6,352	1,983	4,533	.....	1,921
2	Border	2	157	460	.....	560	.....	57
1	Bowes	72	7,006	12,090	9,002	.....	.....	10,094
3	Bradley	3	1,653	1,194	2,006	.....	.....	841
2	Brady	7	.....	813	813	.....	.....	.....
1	Bredette North	1	651	188	501	.....	.....	338
2	Cabin Creek	111	7,057	260,059	259,060	.....	.....	8,056
13	Cat Creek	89	2,473	21,607	20,710	.....	.....	3,370
1	Clark's Fork	1	186	246	.....	268	.....	164
1	Clark's Fork North	1	1,753	(506)	.....	116	.....	1,131
2	Conrad South	4	491	404	404	.....	.....	491
1	Cupton	1	725	1,157	.....	371	.....	1,511
160	Cut Bank	1,101	110,644	152,308	150,542	.....	126	112,284
3	Deer Creek	5	1,668	4,181	4,038	.....	.....	1,811
2	Delphia	2	392	390	.....	395	.....	387
....	Devil's Basin	.....	1,229	.....	.....	.....	.....	1,229
5	Dry Creek	5	1,013	774	1,348	.....	.....	439
20	Dwyer	21	8,419	43,517	39,757	.....	1	12,178
9	Elk Basin	61	3,665	293,807	294,349	.....	.....	3,123
1	Elk Basin Northwest	1	1,579	1,458	.....	1,815	.....	1,222
1	Fertile Prairie	1	701	1,000	1,000	.....	.....	701
4	Flat Coulee	21	3,896	35,389	34,619	.....	.....	4,666
2	Frannie	2	.....	1,618	1,618	.....	.....	.....
15	Fred & George Creek	20	2,703	83,803	84,753	.....	.....	1,753
1	Gage	1	318	795	795	.....	.....	318
4	Gas City	29	5,971	73,556	54,523	13,936	.....	11,068
6	Glendive	11	1,120	32,567	11,973	19,903	.....	1,811
10	Goose Lake	10	2,820	28,784	.....	30,657	.....	947
8	Graben Coulee	16	3,976	6,083	6,087	.....	.....	3,972
5	Gypsy Basin	6	3,614	1,986	2,681	.....	.....	2,919
1	Hibbard	1	223	652	.....	591	.....	284
9	Ivanhoe	15	3,354	26,414	26,579	.....	61	3,128
6	Keg Coulee	18	4,250	28,398	27,516	.....	.....	5,132
145	Kevin Sunburst	873	15,523	41,875	41,895	.....	15	15,488
2	Little Beaver	24	2,899	26,880	25,952	667	.....	3,160
3	Little Beaver East	19	3,108	24,983	25,312	.....	.....	2,779
3	Lone Tree	3	1,038	5,347	.....	5,183	.....	1,202
26	Lookout Butte	69	4,088	150,180	149,976	.....	.....	4,292
....	Mackay Dome	.....	770	.....	.....	.....	.....	770
2	Melstone	5	964	3,259	2,722	.....	.....	1,501
5	Monarch	14	4,233	15,182	15,822	.....	.....	3,593
4	Mosser	4	.....	797	.....	797	.....	.....
1	Musselshell	1	305	33	.....	.....	.....	338
7	Outlook	11	9,081	38,144	38,787	.....	.....	8,438
2	Outlook South	2	1,678	2,767	2,696	.....	.....	1,749
60	Pennel	104	3,820	232,060	231,010	.....	357	4,513
4	Pine	131	13,313	335,000	334,409	395	.....	13.509
4	Pole Creek	6	1,762	3,706	.....	3,170	.....	2,298
76	Pondera	335	9,271	35,050	36,158	.....	.....	8,163
3	Pondera Coulee	3	.....	594	594	.....	.....	.....
5	Poplar East	83	24,959	116,010	114,371	.....	45	26,553
4	Poplar Northwest	5	1,515	1,961	1,372	.....	.....	2,104
6	Ragged Point	18	2,584	7,042	6,183	.....	.....	3,443
4	Reagan	44	3,084	19,125	18,536	.....	.....	3 673
11	Red Creek	21	3,599	39,775	39,308	.....	.....	4,066
1	Redstone	1	441	932	750	.....	.....	623
1	Repeat	1	148	1,330	.....	1,392	.....	86
5	Richey	8	2,089	4,176	2,256	.....	.....	4.009
6	Richey Southwest	7	3,851	17,780	.....	18,845	.....	2,786
3	Sand Creek	4	2,197	3,322	5,519	.....	.....	.....
7	Sidney-Brorson	7	3,770	4,983	1,663	3,340	29	3.721
1	Snyder	3	1,700	187	.....	941	.....	946
5	Soap Creek	9	4,386	5,067	.....	6,003	.....	3 450
2	Spring Lake	2	1,531	10,501	.....	9,009	.....	3.023
2	Stensvad	24	5,585	33,814	34,430	.....	.....	4,969
27	Sumatra	94	11,216	120,089	117,844	.....	.....	13,461
6	Tule Creek	7	3,054	48,111	46,783	.....	.....	4.382
2	Vida	2	934	4,506	.....	4,111	.....	1.329
11	Whitlash	30	5,625	11,548	12,067	.....	.....	5,106
1	Whitlash West	1	140	213	213	.....	.....	140
2	Wills Creek South	2	943	11,662	11.090	.....	.....	1.585
9	Wolf Springs	16	3,879	12,446	12,440	.....	.....	3.885
4	Woodrow	6	935	6,240	6,618	.....	.....	557
1	Wildcat, Liberty Cty	1	205	160	.....	215	.....	150
1	Wildcat, Roosevelt Cty	1	376	1,371	.....	1,491	.....	256
805		3,704	353,506	2,561,909	2,410,620	133,079	634	371.082

Total Oil Produced and Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1963	30,869,653	84,574	30,852,527	84,527
First Quarter, 1964	7,680,757	84,404	7,661,001	84,187
April, 1964	2,538,637	84.621	2,548,544	84,951
May, 1964	2,561,909	82,642	2,543,699	82,054

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage*	Total Oil In Storage*
December, 1963	340,101	926,949	566,144	1,833,494
March, 1964	365,053	1,049,139	688,993	2,103,185
April, 1964	353,506	1,078,002	875,597	2,307,105
May, 1964	371,082	1,087,603	743,051	2,201,736

*Includes Wyoming Oil.

TRANSPORTER'S REPORT—MONTH OF MAY, 1964

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			1,574				1,574		
BANNATYNE—Truck			884			884			
BEAR'S DEN—Truck			1,114					1,114	
BELFRY—Truck			348				348		
BIG WALL—McWood Corp.			455			455			
Glacier Pipeline Co.		20,551				20,551			
		20,551	455			21,006			
BLACKFOOT—Union Oil Co.		1,983				1,983			
Camerland Cardinal Corp.			4,533					4,533	
		1,983	4,533			1,983		4,533	
BORDER—Truck			560			560			
BOWES—Texaco, Inc.		9,002				9,002			
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	311,421	706,879	58,228	672,201			1,471,203		277,526
Shell Pipeline Corp.	8,094	388,017	1,392		629			392,693	4,181
	319,515	1,094,896	59,620	672,201	629		1,471,203	392,693	281,707
CAT CREEK									
Glacier Pipeline Co.		18,938				18,938			
CLARK'S FORK—Truck			384				384		
CUT BANK									
Darling Gathering System, Inc.	1,920	5,705						5,562	2,063
Glacier Pipeline Co.				511,818		511,818			
Phillips Petroleum Co.	67,719	49,726		26,673	845	72,006		343	70,924
Texas Pipeline Co.	22,371	30,590		8,566	197			42,266	19,064
Western Oil Transportation Co.	51,404	28,911		66,133	280			53,957	92,211
Union Oil Co.	101,952	59,806		32,331	568	81,531			111,990
	245,366	174,738		645,521	1,890	665,355		102,128	296,252
DELPHIA—Truck			395			395			
DRY CREEK—									
Marathon Pipeline Co.	9,651	1,348			871			2,980	7,148
DWYER—Hunt Petroleum Corp.		41,141					41,141		
ELK BASIN—Marathon Pipeline Co.		295,610				295,610			
ELK BASIN NORTHWEST—Truck			1,815				1,815		
FLAT COULEE—									
Camerland Cardinal Corp.	3,000	34,348				29,505		4,843	3,000
FRANNIE—Marathon Pipeline Co.		1,618					1,618		
FRED & GEORGE CREEK									
Camerland Cardinal Corp.	14,910	79,310						78,634	15,586
GAGE—Glacier Pipeline Co.		795				795			
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	5,817	48,021			(1,143)			44,832	10,149
GOOSE LAKE—Truck			30,657				30,657		
HIBBARD—Truck			591			591			
IVANHOE—Glacier Pipeline Co.		25,083				25,083			
KEG COULEE—									
Glacier Pipeline Co.		21,642				21,642			
KEVIN SUNBURST—									
Big West Oil Co.	3,964	42,262				42,203			4,023
Homestake Oil & Gas Co.	1,749	1,632		5,562		8,017			926
Texas Pipeline Co.	7,482	15,423			(423)			8,566	14,762
	13,195	59,317		5,562	(423)	50,220		8,566	19,711
LONE TREE—Truck			5,183				5,183		
MELSTONE—									
Glacier Pipeline Co.		2,723				2,723			
MOSSER—Truck			797				797		
PONDERA—Phillips Petr. Co.	30,224	37,589			(601)	58,735			9,679
POPLAR, BENRUD, BENRUD EAST, BREDETTE, OUTLOOK, OUTLOOK SOUTH, REDSTONE, RICHEY & TULE CREEK									
East Poplar Gathering System	42,946	228,387			1,634			234,676†	35,023
POLE CREEK—Truck			3,170				3,170		
RAGGED POINT—									
Glacier Pipeline Co.		6,175				6,175			
RED CREEK—									
Western Oil Transportation Co.		43,661			437			43,224	
SIDNEY-BRORSON									
McWood Corp.	8,700		3,340	1,176				4,217	8,999
SNYDER—McWood Corp.			941			941			
SOAP CREEK—McWood Corp.	622		6,003	1,700		4,152			4,173
SPRING LAKE—Truck			9,009				9,009		
SUMATRA AND STENSVAD—									
Glacier Pipeline Co.	384,056	148,382		39,970	(2,699)	154,502		24,429	396,176
WHITLASH—									
Homestake Oil & Gas Co.		1,141				1,141			
Camerland-Cardinal Corp.		9,951				9,951			
		11,092				11,092			
WOLF SPRINGS—									
Glacier Pipeline Co.		12,439				12,439			
WILDCAT WELLS—			1,706			1,491		215	
TOTALS	1,078,002	2,418,789	133,079	1,366,130	595	1,393,819	1,566,899	947,084	1,087,603

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, SW and Wills Creek, South.

†Transferred to Butte Pipeline Company.

Montana School of Mines
Office of the President
Butte, Montana

BARRELS OF CRUDE OIL REFINED IN MONTANA

MONTH OF MAY, 1964

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Rfg. Co.	Jet Fuel Refinery	North Star Refining Co.	Phillips Petr. Co.	Union Oil Co.	Total
Big Wall	.....	.....	.....	21,006	.....	.....	.....	.....	.....	21,006
Blackfoot	.....	.....	.....	.....	.....	.....	.....	.....	1,983	1,983
Border	.....	.....	.....	560	.....	.....	.....	.....	.....	560
Bowes	.....	.....	5,727	.....	.....	.....	.....	.....	.....	5,727
Cat Creek	.....	15,562	.....	5,148	.....	1,982	.....	.....	.....	22,692
Cut Bank	.....	43,037	.....	.....	.....	.....	2,500	72,006	85,073	202,616
Delphia	.....	.....	.....	.....	.....	742	.....	.....	.....	742
Dry Creek	.....	.....	.....	956	.....	.....	.....	.....	.....	956
Elk Basin	.....	120,859	.....	78,650	94,840	.....	.....	.....	.....	294,349
Flat Coulee	29,505	4,843	.....	.....	.....	.....	.....	.....	.....	34,348
Fred & George Creek	.....	78,634	.....	.....	.....	.....	.....	.....	.....	78,634
Gage	.....	795	.....	.....	.....	.....	.....	.....	.....	795
Hibbard	.....	.....	.....	.....	.....	790	.....	.....	.....	790
Ivanhoe	.....	.....	.....	.....	25,083	.....	.....	.....	.....	25,083
Keg Coulee	.....	.....	.....	21,642	.....	.....	.....	.....	.....	21,642
Kevin Sunburst	46,083	.....	.....	.....	.....	.....	.....	.....	.....	46,083
Melstone	.....	.....	.....	2,723	.....	.....	.....	.....	.....	2,723
Pondera	.....	.....	.....	.....	.....	.....	.....	59,619	.....	59,619
Ragged Point	.....	6,175	.....	.....	.....	.....	.....	.....	.....	6,175
Red Creek	.....	.....	.....	.....	26,326	.....	.....	.....	.....	26,326
Snyder	.....	941	.....	.....	.....	.....	.....	.....	.....	941
Soap Creek	.....	4,152	.....	.....	.....	.....	.....	.....	.....	4,152
Sumatra & Stensvad	.....	19,548	.....	134,954	.....	.....	.....	.....	.....	154,502
Whitlash	12,063	.....	.....	.....	.....	.....	.....	.....	.....	12,063
Wolf Springs	.....	.....	.....	.....	6,594	.....	.....	.....	.....	6,594
Wildcat Wells	.....	3,429	.....	.....	.....	.....	.....	.....	.....	3,429
Total Montana Oil	87,651	297,975	5,727	265,639	152,843	3,514	2,500	131,625	87,056	1,034,530
Canadian Oil Imported	.....	412,487	.....	.....	.....	.....	.....	.....	1,879	414,366
Wyoming Oil Imported	.....	66,492	.....	353,664	832,320	3,258	.....	.....	.....	1,255,734
Total Montana, Canadian & Wyoming Oil	87,651	776,954	5,727	619,303	985,163	6,772	2,500	131,625	88,935	2,704,630

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1963	32,324	4,255	40,398	76,977
May, 1963	37,519	3,140	35,207	75,866
May, 1964	33,371	13,368	40,507	87,246

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1963	41.99%	5.53%	52.48%
May, 1963	49.45%	4.15%	46.40%
May, 1964	38.25%	15.33%	46.42%